

REMARKS

Claims 1-9 have been rejected under 35 USC 102(b) as anticipated by Tazawa (U.S. Patent No. 4,989,150). The rejection is respectfully traversed.

Tazawa generally relates to an injector diagnosis system for a motor vehicle having a plurality of injectors mounted on an engine and a control unit for generating a pulse signal to control the injectors. Specifically, with reference to claim 1, the Examiner cites Tazawa at col. 3, lns. 20-25 and 44-49 as disclosing the measuring feature of the claimed invention, and col. 5, lns. 44-50 as disclosing the providing feature of the claimed invention. However, a careful review of the reference discloses that the output signal is being read as the offset current when the pulse signal P_{inj} is not generated. There is no disclosure of the actuator of the injector being located in a final position as the mechanical construction of the injector is not mentioned. The claimed invention, on the other hand, requires “measuring the coil current through a corresponding coil when the actuator is in a final position in which the coil is not supplied with current during the operation of the actuator.”

Referring now to claim 5, the Examiner cites Fig. 4A, elements 43c and col. 5, l. 44 - col. 6, l. 7 as disclosing the claimed features. However, amplifier 43c of Tazawa is attached to the coil 43a of the detection sensor 43 and not to the coil 12 of the injector. In the claimed invention, on the other hand (as amended), the “at least one coil with a resistor [is] connected in series into a supply line of the coil which is a component of the actuator.”

Since the recited structure and method are not disclosed by the applied reference, claims 1 and 5 are patentable. Claims 2-4 and 6-9, depending either from allowable claim 1 or 5, are similarly patentable.

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to withdraw the outstanding rejection of the claims and to pass this application to issue. If it is

determined that a telephone conference would expedite the prosecution of this application, the Examiner is invited to telephone the undersigned at the number given below.

In the event the U.S. Patent and Trademark office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing docket no. 449122021000. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

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Respectfully submitted,

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